

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030822\
 Data File : VL038559.D
 Acq On : 8 Mar 2022 14:57
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/10/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 08 15:34:44 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Mar 08 13:53:01 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	917224	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2444764	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2401513	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1812112	9.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1593355	10.97	ppbv	99
3) Chlorodifluoromethane	2.99	51	2135883	13.19	ppbv	100
4) Chloromethane	3.14	50	819797	14.57	ppbv	98
5) Vinyl Chloride	3.25	62	803190	13.65	ppbv	99
6) Bromomethane	3.47	94	445072	14.34	ppbv	98
7) Chloroethane	3.55	64	276059	14.61	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1748533	12.94	ppbv	100
9) Propene	3.01	41	787260	14.72	ppbv	100
10) Heptane	8.11	43	1979188	15.20	ppbv	98
11) Trichlorofluoromethane	3.94	101	1613907	11.60	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1271898	12.47	ppbv	100
13) Ethanol	3.60	45	67457m	12.64	ppbv	
14) Bromoethene	3.74	108	588976	14.50	ppbv	99
15) Acetone	3.84	43	856480	10.98	ppbv	99
16) 1,3-Butadiene	3.32	39	741808	14.24	ppbv	99
17) tert-Butyl alcohol	4.28	59	869145	11.17	ppbv	100
18) 1,1-Dichloroethene	4.28	96	582856	13.02	ppbv	98
19) Isopropyl Alcohol	3.96	45	517969	11.47	ppbv #	98
20) Methylene Chloride	4.34	84	484308	12.53	ppbv	99
21) Allyl Chloride	4.40	41	876073	13.30	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	622203	13.77	ppbv	99
23) Vinyl Acetate	5.06	43	1398709	13.53	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1147696	12.35	ppbv	99
25) Ethyl Acetate	5.66	43	3084752	14.72	ppbv	100
26) Hexane	5.68	57	1445734	15.23	ppbv	99
27) Carbon Disulfide	4.54	76	1518486	14.38	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1139860	11.79	ppbv	98
29) Chloroform	5.74	83	2194701	14.17	ppbv	99
30) Cyclohexane	7.12	84	1253739	16.15	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1396611	15.19	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2085921	13.39	ppbv	100
34) 2-Butanone	5.23	43	941691	12.25	ppbv	99
35) Carbon Tetrachloride	7.01	117	2195491	12.77	ppbv	99
36) Benzene	6.88	78	3078854	14.31	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1490760	11.99	ppbv	99
38) Trichloroethene	7.83	130	1147930	14.64	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1199095	13.99	ppbv	98
40) 1,4-Dioxane	7.82	88	253393	12.46	ppbv #	1
41) Tetrahydrofuran	6.04	42	774093	14.90	ppbv	99
42) Bromodichloromethane	7.78	83	2337071	13.01	ppbv	99
43) Methyl Methacrylate	8.00	69	1150639	15.38	ppbv	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4917922	13.29	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	941820	15.75	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1213811	15.49	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1233853	14.47	ppbv	98
48) Dibromochloromethane	10.29	129	2038985	14.62	ppbv	99
49) Bromoform	13.03	173	1631399	15.85	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	1971688	14.50	ppbv	100
51) 2-Hexanone	10.12	43	890932	14.64	ppbv #	99
52) Tetrachloroethene	11.21	164	1080239	15.12	ppbv	96
53) Toluene	9.79	91	3458304	14.80	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1789901	14.91	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1273080	12.72	ppbv #	70
57) Chlorobenzene	12.14	112	2373009	12.81	ppbv	100
58) Ethyl Benzene	12.70	91	4294436	13.08	ppbv	97
59) m/p-Xylene	12.98	91	6915611m	24.52	ppbv	
60) o-Xylene	13.68	91	3287920	12.33	ppbv	100
61) Styrene	13.51	104	1891084	15.38	ppbv	99
62) Isopropylbenzene	14.65	105	4593169	12.84	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2457851	11.35	ppbv	100
64) n-propylbenzene	15.55	120	1254334	14.16	ppbv	94
65) tert-Butylbenzene	16.73	119	3997704	12.90	ppbv	99
66) Benzyl Chloride	16.98	91	307872	18.38	ppbv	99
67) sec-Butylbenzene	17.28	105	5807283	13.22	ppbv	99
69) p-Isopropyltoluene	17.64	119	4927450	14.28	ppbv	99
70) n-Butylbenzene	18.54	91	5292343	14.83	ppbv	98
71) 2-Chlorotoluene	15.44	91	3456920	12.56	ppbv	98
72) 4-Ethyltoluene	15.82	105	4132588	14.07	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3642400	13.65	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	3710401	13.17	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2481590	15.73	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2437896	15.67	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2512157	16.54	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2117130	18.28	ppbv	100
79) Naphthalene	22.18	128	4626354	30.32	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	968250	32.47	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	2495231	27.04	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

